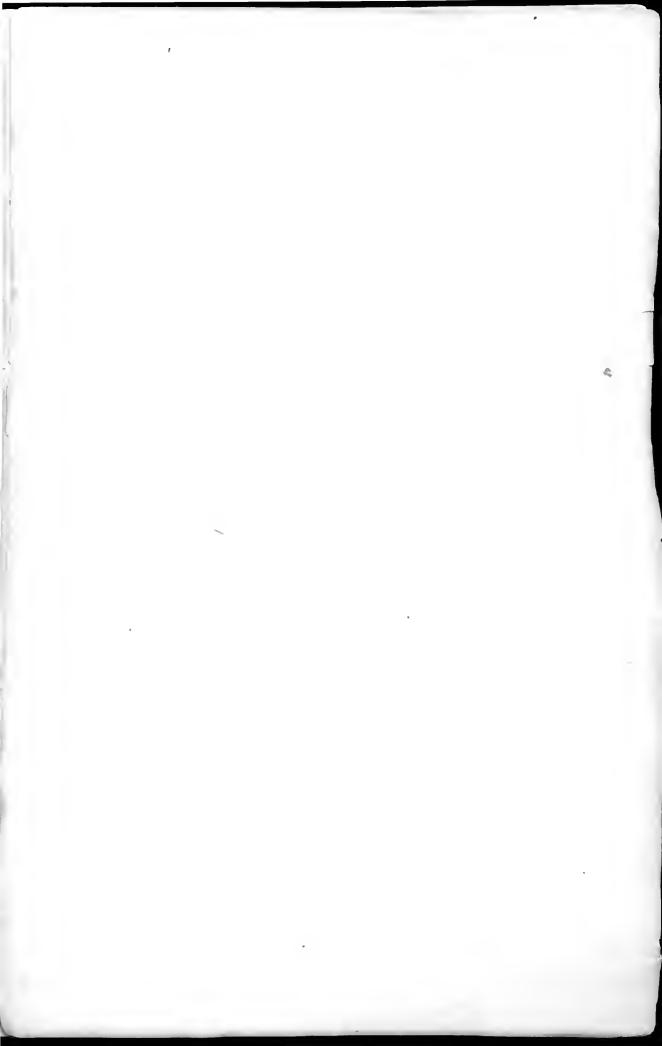


C. E. H. (2)

14



YTTEANA TOS TAM. AJIHY YN SM.

Large Northack Noy. 401 Amvelia mm Alieum pmd. Mov. 7,1874 It pint glumlen, transporent, colorters, in the short digitate pseudpuls. 50 dir, with pendep. 10 ti 15 & 3+4 a for to 20 & 3. Povely of presidents finily granular. l'ordents a large vacante 22 dir. Man ump. a sem malla 10 dir. A Earge nniformly granular moleus 12 dr. Other center's gellink or armich food bulls, reattend from 1 to 4, A few dernies; many graduate o ourn, senue entals sharply defined measuring 141 /2 4/ 1/2/2 exact from undetermed tout some apparent & be octivered. Mired King, changing from, the purified contracting of disappearing, & portraining to eligating. The large vacante was olumn to allapser during about 2 recent but did not entuly disappear, as from an oral controled one 5 ling 3 with a which then driver int I each about 3. There then paroully enlayed to 006 and Then became confluent in one of their partially expanded to 22 afterns contracting to so in which condition't

Fint appearance as in the drawing feel appearance This, & mohims at rest it appeared Wal, with havely any predopuls I meanin 65 ly 55 with the pulsating venile 22. On Muturhams remmin much the first form as seen in figure. The animal contained apparently but a very few particles of greaty sound. The granda matter of the entrance append ranky to have into the precedents, which appeared faintly, finely but dutinitly granden to The end. Armin the circumferire of the luge vacurle observed 5 granda halls measuring 4, 5, & 6 dir. in which the grander exhibited active swaming or moterna motern rerembling that of spermitrzovid. Frethey testes!

Stephanurus deutatus, In cyrts of the kinney

ga hog. Im women 21 lines ling by 1 line thick,

Thich, extindrical, takening at the earls; autenin

and straight; puterins and y female incurred.

Fail that, an thick as long and ending in

a minute record papiela-like print.

Sordiers. Jan. 26,1890

Mars from Conviruego, Ceil Co. Mal
56 inchindrals. 7 females, 49 males.

As follows:
28 smaller males roughly from 85 to 200

mm lug by from 0.37; to 0.5 m thick

21 larger males roughly from 190 to 310 mm

the 7 females from 140 to 200 mm ling by 1 and 1.25 m think.

Candal and gemale incumed & forked. Candal and gemale thought & alunt.

June. 26. 1890 Examined the following:
White, elliptical levelier, substad in murles
of the primer of the Blue hird, Sialia vialis,
obtained by Dr. Warren, in Florida.
Brotier, numerous, embedded among the

murcular film, white, spagne, mosth, mo definite interior structure dutingular from 1 mm to 1.75 mm long by 0.04 th 0.072

Similar bodier from Dr. E. Bones, obtained from nursles y a Mallard, Anas horshas. Bodie opaque white, month, elliptial. 2 mm to 4 mm low.

In med as tissue in surface of pestival number and hinds to. June two specimens of the little Blue Hoeron Herrida coerulea.

mummer opaque white elliptical egg-like levires, which pertain to am Acarms = Hoppwelerers 1.25 to 1.5 mm lung by 0.375 horad, with 4 pains of levens, chitimon, linitly limber.

Jam 28, 90 A consume of another Fialia rialis, br. Warreis wheating 1056 with numerous hite eye like levels 1th 2 mm hug embedded in moreles especially on back autiste of thigh I in needs. In appearance of less detected. Some as in the the specimen alone indicated.

Subrequently observe globulu 65 dir, diam at rest & inthant pseudopuss, bacule expended to 28. 402 From some feermen never with No 10 5 & B. in. which gave filling Six testes? 8,10,12 dir. Engstals of several kins - Syname mes 16,1, 2 lg 2 + 3 kg 3, months 2 lg 2 a few alugated odahedun gyllimish aler 4 & 3, Large racurle 50, Varian meleus 20 Yellow ford walls 5 to 10 One demin I 89 a few ythulan algue a few oil strange? 5. Dec. 2. Action placerione Acouthocystis form Alexern Pond. Colorless, Stelenlan 20 In. No 10 S&B. Internal central globale grandar 16 diam. repender form enter investment by trampent appends humpums extenues, Hurcate ras up to 12 in length, bunch dutes 2 mile. Could dutrymh no ordinary ras, no molecu & no atumphere y fine spicular matter. 404 Sec. 21 Ahreum pund.

Spiral Difflugia with indpo muface from Alexan prod.

Supty shell 40,34, neck 7 ling, muth 10 wirle, from month

to fauthal part of constriction or partition 18 with NOT S.H.

The remientar miles what, signing, semencular, oval,

Y or X shaped with a silvery lentre .

bothwarea papilio Dec. 30,1874 In Sphagnon of

Muceum. Lest gellowith in must specimens

regularly tapening at wisher from bradent put of

Justin to munth. In others, queenly league mue

or less aumptly narrows towned munth. Ball

in interior somethat variable in rige, to

proportion greenist, of green matter or chlomply

to receive clean estrone. In some the latter

appeared name differentiated for the greenless

where of premise like a tremped aufmule.

31,18,9

30,22,12

Ball 19.

Ball 19.

In No I Poull with jew large chemply talulers grows in clear sections. In No 2. & 3 the extreme differentiated as capsule in No 4 large fall full y fine grains y chemply-

Jan. 8th 18% innite Ameter 15 ty 10, with NO 10 S. d.G. Army Sitella, supplied by Mr. Hollman in one of his life strikes". The minute Amoula even very numeron, in assoc, with humand, spirillum te, Appeared to be 3 contractile render, quantly one unto expand at a time gradually up to 3 dir. I then showly or some rapidly contend again to a more first. formetines two would explain together. There punchen entisare recipio porterior 45 of body (00) Conto not fruting determine existence y a mixeur. Them mut of time a more body in airance of none during raemle ex emtractile remale, which was ten Istud I aint 2 dir. Sim. but it at truin appeal whe a recente + appents or time Snappend from view, The duratures for an individual at sent excepting The varying change of entitie. But remenion news in rame position, Has sometimes circular, someting wal with shight jution som mutt frue hinder part. hunthe indominal spread and to 18 & 12 very transport & printly grander, besides the there distint I chaying vacables, there was in anditunt uncless about 2 which remain unchanged. Individuals steep like in form 18 & 4 name putty activity formand, extrane presenting the granden entisare, smetimes

projecting takeral processes, and occasionally humsching. I Obused Others at next circular, with or even ingularly grandoute or triangular, with papilliform processes projecting for all parts of eventuals.

in many of the limaciform actually mining individual, drugged some flowlet did ofter them. The vacarles in all cares exhibited a faint pintish blush.

Nebela. and its allies. In many the test constructed of clides alone or disks with bacilla, of beautiful repularite, in other I inequaled untitues Mar. 30, 75 Which are empty test of A. numeritar 33 any 22 winds. At the formulas half mainly of circular clinks, uniform of regular 2 dir, with a few wills to being of is winds. The month half of leveilla mainly and disks I dir cliam or less. All the disks of bacilla of this of president of the contifully repulser.

29 ling 21 hoad muth 7 (with No 7 S.H) apparently 16 pints

An E. bournea 13 ling 10 livar mith 3 livad, test 5 thick

April 5/75 Englypha compresse, empty test with a good riewy the month which was nearly round, 4 by 6 with 16 oral seales. Leight of test 24 houarth 18 thinkness 9. Hair lateral 5 long, apparently studied from any les of the hexagons, thus.

April 6. Cathana papilio, Sphagun Alexenn -Acture tin good constein, with many chloroph. grands muthy about 1/2 dir. Broky emmenter by onmerms how to test. Any for ever a junter planeter alfare muching for near month to near top of fairer. alga 32 long justs 8 long 2 lovar, chlomple within show hen in horm. Voesome by differing the Ametica of the entrance hunght into view on one since near frudres y entirare a globala unifruf grunden suclear body such as fler seen in aurelia, t menony I dir. Feet 35 lung 24 levar muth end 10 (Mens. with No7.) Carnine did not Them the granden mudlear hood, and but tained 80 more corpurales scattered aning I aln't the size of the chlorifle frame.

April 10 Obtained water from Darley Spring, which excurred some day and ordragantly to Ap. 16, Sphilited with Docisions a lay nariculae in alundance the following Phryspers.

Multitudes y Amrelia zonalis.

Numeron Ouranevelen puhality several species.

Numeum Auvelen, reveral species. Mph Ap. 16 noticed one Catharia lifata

Montpequently Congria apparently two species C. spherica & C. sentiformis.

Many colorless Aeanthregstis.

A few Cyphoderia

An occasional Difflugia, the oval me with tribbed hunth, appriform one, and the Echimpyis. No Arcellue wherea up to Ap. 15.

1877 May 16 In losking for Frematiste parasity in Manuflis persons from "Neck". formed ume but observed many Chaetofarties, in one of which in intestine noticed 3 Arcellae.

July 5,1877 In a lunch of Liminas from hemoth a stone from Fairm ount Jam counted 118 tules or individuals. July 7th 1877 Megalotrocha aller-flavie aus.

Formed abundantly in burn her adherent to
under side of otimes below. Fairment Denn, in
waveistin with Limmius, which occurs induted
and also in proprie burnches. Associates
Sprighla pagilis, to. Individuals
of Megalotrocha with burncher of Box 4 eggs adhered
otherined about 60 long (with 204 S.H); the trockal
disks 10 chim. hody below disks aunt 4 thick.

Me meas. with No4. S.N.

Gregarina. Lieberteuhn, Mem, cour. de l. Acad. Bilg. xxvI, 3-27 Schmidt, Abh. Senck. Gesel. 7, 1854,

170,173 Tab. XIV.

Stein. Mil. Archir 1845. In Revnius, purmatur = cytodesin intertuie.

Lunkester. Lu. Jom, Mic. Sc. 1864.5.

April 23,18+2, he morning complet we may study a Cermatea forceps. Intertene contained about a dozen Gregarines. of varying size, will white opaque. In general periform. At hist compenately quite. Appeared to have a delivate pulniais by which it may poliably have been attached to the numers memberen of the struck, Puleren reft, cefriching sometimes takenny, but usually appear as if lanken as the end I you who have, someting appear ghlula er en et place une oeveral globule. He was faintly grander. Head large variable in from, according to the embitu gentractu, luger er alub on long as linear, Body clarate, Whent behind & tapening, varying ac-Ding to degree y contention. Amind actue. mun from contracting for before backen, exhauding, bending workling transely, especially of The tail end. Musleus usually in wille excepting in the smaller

Red Ant. May 3, 1882. Wallingford Statem in Westsherter R. R. In a fine of wood in vicinity. I nest of Revants F. under a flat other about 1 fort by Yinches. Adherent to the under onle were six distinct groups of white dephides clusely counted and even piled on one. another; the largest group about 3 inc. by I'm; the mallest about 1/2 in diameter. Also fire groups of a small ser boccus; The laught group 1/2 long by 3/4 in wide; The market group 1/2 in long by 1/4 inde. Nor an appeir our a coccus was on the ground serenth, which was furround by tortum galleries through which many of the ants were running, although much of them clung to The under side of the stone around their flocks of cons. All The auti me of the one kind. Auti and heads together were included within a space of six by four inches.

Gregarinois francoite. May 4, 1882. Lu Jaming of date. Hern intestine of the white avor overm - Enolytracus? - with only 2 was of potel spines) Bodie Jusiform, Jvanshle size, no head, but a short manuflefun beak. tapermy portering and acute or obtine. The larger unformly and dutinetty grander, with a nearly co trac spherine or stylly oval crear unders uno a me Infinio central melertus. The larger ones mostly contained from one to five comed elliptial transparent elece losses (see fig is) arnally carefully the fire fait, that remeting Jutems. The maller once pace grounday inthe a central mucleur; but in many of The mullet it was about or ele excepted wither.

May 8, 1882 Capsella lurren partoris in the University Grown . Extremes of specimens in flower & fruit. Imallest 9 lines long; vagest 2 feet /4 of our circh. Eolis. Howwoon Who latessima, there is beach at

Atlantic City, Much 31, 1877. Six specimens

from 2 to 4 lines long. Boody translusent whiteh,

or several pole yellowish or lemmind. Here:

when to the 4 directent tentacles. For linescapem

there behins to not reaching bey no the papillae

Whe latter fusiform, externally translusent whiteh

and brown with interior; tips white oblimit.

The papillae appears to be arroughed in transmene

sons in each orde of the body 1 the smallest in

front helind. Apparently for 9 roms.

Bacillis authracis. May 12, 1882 Dr. R. Eslav-Jelter. Firday afternoon Stated that in Falew lo, A. I. he had been called to see a head of Cows, apparently all well. From the flock during the bout your about a dozen had died, and were in morrantine by Fre Forming Health. They have lately been werend I were apparently all well. To incume the stock four has been added in of the ton had subsquatty Sed. A cur spherently will on Wed May 10 th was milhed in the evening as usual. The next owning thursday the died. Some

day bo. S. made put norten examination. The opleen much enjoyed & from t took blood, of which save me for exam. matern a 400 lottle full, the following day Hiday afternoon, I cramined This immediately afterwards, and formed it teening with Bacilles authraces. straight, when two or three minted beaut or ziggag, entuely suttenden. Form ,000 to .03 mm long. Achain of 3 connected zigger segments menon 14 dir. mic. scale with /10 Minday May 15 the Bucilli appeared to be enruted or at least langely replaced by an immen increme of very minute sphemles or perhaps ellipses, handly larger there lived, or minute demblechs, or two corpurales in varied deques of skinsin, or in chains y such Immbell like hoster y variable length a chain of 3 dimbells meaned 3 directors of the mismuter with 10 wales.

Jone 1.1882 Gregerine in Nyet leates pennylvanien. Jone under karte, Fraismonut Parts.

Gregarina numerous in Ventriculus. White semantically long and narrow, ranging from 1.25 to 1.5 m long by 0.125 to 0175 horas. Head mall spheroid 0.1 to 0.15 Jam., July papillate at amount. Body cylindra, wile then the head at the bre-part, narring behind, puterir extremity blunt, onthe membrane longitudinally strate, aut it puterir extremity apparently ciliate. A zoning me was clarate with head the indet part. Length 0.3 mm, with ghear extremty 0.1 mm The muleur was viole to me will of the landy & this ceppeous also to contain two layeracules. The integrit was dutintly britadrally structe & append also to be enand with mint mornibratile cills, met homeway extending in the head.

The opener fine 3. Numerous Pregarines, many of large rig and in conjugation. This is feealian: two individues of same or different riges or get lying side & side or handled + engine laterally by the hear as represented in Jig. Sometimes more or less embracing or partially texted together, but unadly quitt and lying with typically timed by ride. Often show contraction of any heart of the body with transme windship.

Different individuals meaning from 0.75 to 2 m m long June 4. Another Creatle of over, and many Enganing let none in Conjunction. The ornallest seen bigness, word, ith an numpress ellipsole page as reman section to the head. Another central, very observer with several impolen muslestic. Broke to head situatty others longitudin in y. Broky also puterink frink ciliate. Length 0.06 mm 0.03 horas.

June 9. Another heatte opened. Hany Goegarined,
multy small. ha males from 75 to 20 No7 long
or 0.3 to 0.36 long by 0.06 inde the maleur was
wal, central or anterior and with a mortion

J Cherch moder in morteur P. 04 by 0.032 winde

moteri 1 to 2 or 0.004 to 0.008. multime 0.04 by 0.032

with from mulesti for 2 to 2 1/2 to seeme multin. Or
carintly at back sain y body. In one muchus

country seven mulesti

Dec. 16th 1885. Womes in ice suppliedly Dr. S.G. Thomton, Moorestown, cr. J. No! Halfan inch long by 0.15 mm luvar, 48 requests; first with blunt conical light no spines From sons of opines with 3 opines weach farcile Spines slightly riguind or nearly straight, attached and horsen, free end printer & not fortend, No2 Mire whent and white 4 lines by 0, 25 mm 34 requests including oval request. Severative appendies between 3 & 6 th spine seguets. NO3 5 lines with 36 requests Spries 0.3 to 0.375 mm No4 6 lines with 50 requests. 1888 Jan 14 Pièces y Cor. fish, Sadus callarias, with a Jozen redich and luminds women coiled and embedded in the feeth, Agamonema capularia Mostly 20 lives long by 1 mm lund Smallet 12 lives by 0.5 mm. Women translucent meddish. with brounds or humich white entuture, bylewrice toping at hoth und; heard papellate, tail and incumed often with a minute much. Desphagus 2.5 mm ling by 0.7 inte - Seem puter y interture extendire, milk white half as long as veriflagers 0. 375 winde; this putting intesting num capacino estudios. Rectum ohnt, andry about

1888 Jan. 18.

Spirroptera megastoma Pur. Filoria megastoma beh

Botin g stomach with swelling or tumor about

an inch lurar, multilerealar, obtained from

it 66 females + 42 males, fromer from 10 to 14 mm

long latter 7 to 9 mm long. Inil g male with

two spicules, and fire papillace on each side;

4 in advace + one believed arms. Thom bet. Alep.

sulmitted by

Trout the Hoorse.

Jan 25 Delieste hair-like womes from the intertine of a Cat. Hairlike, pale choedate homisch, attenuated town the extremities.

Thead mounds the extremities.

Potenin extremity spiral;

more so in the male. Tail short, acute.

In female tail commo conical and ending in an alumptly actte frint

5 females 3 inches long 0.25 mm loved.

2 males 16 lines long 0.125 mm loved.

Lever 1 162 the many that the state of the (12 Nous) Continoled by and t

Bar Howler, Mt. Derest Me. August 1886

Nevertes. In great numbers under otones hatireen tides. From an inch & 3 inches contracted by I me to 3 m no. chapter to brutle cotect.

Mortty look markey black their variably blackish to live land. Itulaperouse former appears their green to their lemm. Holand parene.

Syra variable 2 to 6 on each inde. Posherin number, without the mail life annature.

Interine dendrind or coterally purched, Proving behind attenuated, wester. Moreth termina.

Sen. aperture large & courpeasure, helen the number.













Acanthocystis Courter

Acanthocyptis viridis Greenscher: Greef:

Actinchnys vivides Ehr.

Acanthrocystis turfacea, Conter









Protesta TO TISWTIOTOV, the first gall, primordial. Monera wovýgns, simple Cytodae, Cytodes, audla, planna masses withint nucleus. Tymoreytodes = naked cytodes Lepocytodes, = membranes er everes extodes. Cellulae er lyta, Cells, plasma musses inth nucleur. Tymoro after = naked cells Lepocyta - membersons or correct cells,



